- 1. (Currently Amended) An earth-boring bit, comprising:
 - a bit body;
 - a cantilevered bearing pin depending from the bit body;
 - a cone mounted for rotation on the bearing pin; and
- a bearing surface between the cone and the bearing pin, the bearing surface being formed of a steel alloy and having a diamond-like coating formed deposited thereon.
- 2. (Previously Presented) The bit according to claim 1, wherein the diamond-like coating has a thickness in the range from 1 to 10 micrometers.
- 3. (Previously Presented) The bit according to claim 1, wherein the diamond-like coating has a thickness in the range from 2 to 5 micrometers.
- 4. (Previously Presented) The bit according to claim 1, wherein the diamond-like coating has a thickness in the range from 2 to 3 micrometers.
- 5. (Previously Presented) The bit according to claim 1, wherein the diamond-like coating has a Knoop Scale hardness in the range from 2000 to 5000.
- 6. (Previously Presented) The bit according to claim 1, wherein the diamond-like coating is of carbon with a mixture of sp3 and sp2 bonds between atoms of the carbon.

- 7. (Previously Presented) The bit according to claim 1, wherein the diamond-like coating is formed of amorphous and hydrogenated amorphous carbon.
- 8. (Previously Presented) The bit according to claim 1, wherein the diamond-like coating is doped with an alloying element from the group consisting essentially of silicon, boron and boron nitride and a refractory metallic element from the group consisting essentially of tantalum, titanium, tungsten, niobium and zirconium.
- 9. (Currently Amended) The bit according to claim 1, further comprising a thrust washer formed of the steel alloy and located between a thrust shoulder of the bearing pin and the cone, the bearing surface containing the diamond-like coating being <u>deposited</u> on at least one side of the thrust washer.
- 10. (Currently Amended) The bit according to claim 1, further comprising a sleeve formed of the steel alloy and located between the bearing pin and the cone, the bearing surface containing the diamond-like coating being <u>deposited</u> on at least one side of the sleeve.
- 11. (Currently Amended) The bit according to claim 1, further comprising a single thrust washer having one side in contact with a thrust shoulder formed on the bearing pin and another side in contact with a thrust surface formed in the cone, and a single sleeve having one side in contact with the bearing pin and another side in contact with the cone, the bearing surface containing the diamond-like coating being <u>deposited</u> on at least one of the sides of the thrust washer and on at least one of the sides of the sleeve.

- 12. (Currently Amended) The bit according to claim 1, wherein the bearing surface having the diamond-like coating is formed deposited on a journal surface of the bearing pin.
- 13. (Currently Amended) The bit according to claim 1, wherein the bearing surface having the diamond-like coating is <u>formed_deposited</u> within a cavity of the cone.
- 14. (Currently Amended) An earth-boring bit, comprising:
 - a bit body;
- a cantilevered bearing pin depending from the bit body, the bearing pin having a thrust shoulder that is in a plane perpendicular to the axis of the bearing pin;
- a cone mounted for rotation on the bearing pin, the cone having a thrust shoulder facing toward the thrust shoulder of the bearing pin; and
- a single thrust washer having opposite sides in engagement with the thrust shoulders of the bearing pin and the cone, the thrust washer being formed of a steel alloy and having a diamond-like coating formed deposited thereon on at least one of the sides.
- 15. (Currently Amended) The bit according to claim 14, wherein the diamond-like coating is formed deposited on both sides of the thrust washer.
- 16. (Previously Presented) The bit according to claim 14, wherein the thrust shoulder of the bearing pin is formed of a steel alloy and contains an inlay of a hard wear resistant material.

- 17. (Previously Presented) The bit according to claim 14, wherein the thrust shoulder of the bearing pin is formed of a steel alloy and has a diamond-like coating formed deposited thereon.
- 18. (Original) The bit according to claim 14, wherein the coating is of carbon with a mixture of sp3 and sp2 bonds between atoms of the carbon.
- 19. (Original) The bit according to claim 14, wherein the coating is formed of amorphous and hydrogenated amorphous carbon.
- 20. (Previously Presented) The bit according to claim 14, wherein the diamond-like coating is doped with an alloying element from the group consisting essentially of silicon, boron and boron nitride and a refractory metallic element from the group consisting essentially of tantalum, titanium, tungsten, niobium and zirconium.
- 21. (Currently Amended) An earth-boring bit, comprising:

a bit body;

a cantilevered bearing pin depending from the bit body;

a cone mounted for rotation on the bearing pin; and

a single sleeve having an inner diameter side in contact with the bearing pin and an outer diameter side in contact with a cavity surface in the cone, the sleeve being formed of a steel alloy and having a diamond-like coating <u>formed_deposited</u> thereon that is on at least one of the sides.

- 22. (Currently Amended) The bit according to claim 21, wherein the diamond-like coating is deposited on both sides of the sleeve.
- 23. (Currently Amended) The bit according to claim 21, wherein the bearing pin is formed of a steel alloy and also contains a diamond-like coating deposited thereon.
- 24. (Currently Amended) The bit according to claim 21, wherein the cone is formed of a steel alloy, and the cavity surface of the cone also contains a diamond-like coating deposited thereon.